

```
In [7]: import pandas as pd
data = {
    'Name': ['John', 'Alice', 'Bob', 'Diana'],
    'Age': [28, 34, 23, 29],
    'Department': ['HR', 'IT', 'Marketing', 'Finance'],
    'Salary': [45000, 60000, 35000, 50000]
}
df = pd.DataFrame(data)
print(df)
```

	Name	Age	Department	Salary
0	John	28	HR	45000
1	Alice	34	IT	60000
2	Bob	23	Marketing	35000
3	Diana	29	Finance	50000

```
In [5]: import pandas as pd
data = {
    'Name': ['Alice', 'Bob', 'Charlie', 'Diana'],
    'Age': [23, 28, 22, 30],
    'Salary': [50000, 60000, 55000, 80000]
}
df = pd.DataFrame(data)
print("First 2 rows of the DataFrame:")
print(df.head(2))
df['Bonus'] = df['Salary'] * 0.10
average_salary = df['Salary'].mean()
print(f"\nAverage salary: {average_salary:.2f}")
employees_older_than_25 = df[df['Age'] > 25]
print("\nEmployees older than 25:")
print(employees_older_than_25)
```

First 2 rows of the DataFrame:

	Name	Age	Salary
0	Alice	23	50000
1	Bob	28	60000

Average salary: 61250.00

Employees older than 25:

	Name	Age	Salary	Bonus
1	Bob	28	60000	6000.0
3	Diana	30	80000	8000.0

In []: